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(21) International Application Number: PCT/NL98/00213 (22) International Filing Date: 15 April 1998 (15.04.98) (30) Priority Data: 97201121.7 15 April 1997 (15.04.97) EP (34) <i>Countries for which the regional or international application was filed:</i> NL et al. 97203595.0 18 November 1997 (18.11.97) EP (34) <i>Countries for which the regional or international application was filed:</i> NL et al. (71) Applicant (for all designated States except US): LEADD B.V. [NL/NL]; Wassenaarseweg 72, NL-2333 AL Leiden (NL). (72) Inventors; and (75) Inventors/Applicants (for US only): NOTEBORN, Matheus, Hubertus, Maria [NL/NL]; Zeeforel 14, NL-2318 MP Leiden (NL). PIETERSEN, Alexandra, Maria [NL/NL]; Haarlemmerstraat 40A, NL-2312 GB Leiden (NL). (74) Agent: SMULDERS, Th., A., H., J.; Vereenigde Octrooibureaux, Nieuwe Parklaan 97, NL-2587 BN The Hague (NL).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: A GENE DELIVERY VEHICLE EXPRESSING THE APOPTOSIS-INDUCING PROTEINS VP2 AND/OR APOPTIN (57) Abstract <p>The invention relates to gene delivery vehicles which comprise nucleic acid molecules encoding apoptosis-inducing proteins VP2 and/or apoptin (VP3) like activity. VP2 and VP3 are viral proteins of the Chicken Anaemia Virus. Also, the invention relates to anti-tumor therapies. Infection of various human tumor cells with the gene delivery vehicles of the invention will result in the induction of apoptosis in tumor cells and much reduced apoptosis, if at all, in normal diploid, non-transformed/non-malignant cells. Also the invention relates to the diagnosis of cancer, and related forms of hyperplasia, metaplasia and dysplasia.</p>		

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